

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: IRiS

Report Number: P1305870

Luminaire Tested: P3SQAS13R159024DE010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305870
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-21)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R159024DE010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R15 optic, 2400K CCT AND, 90CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

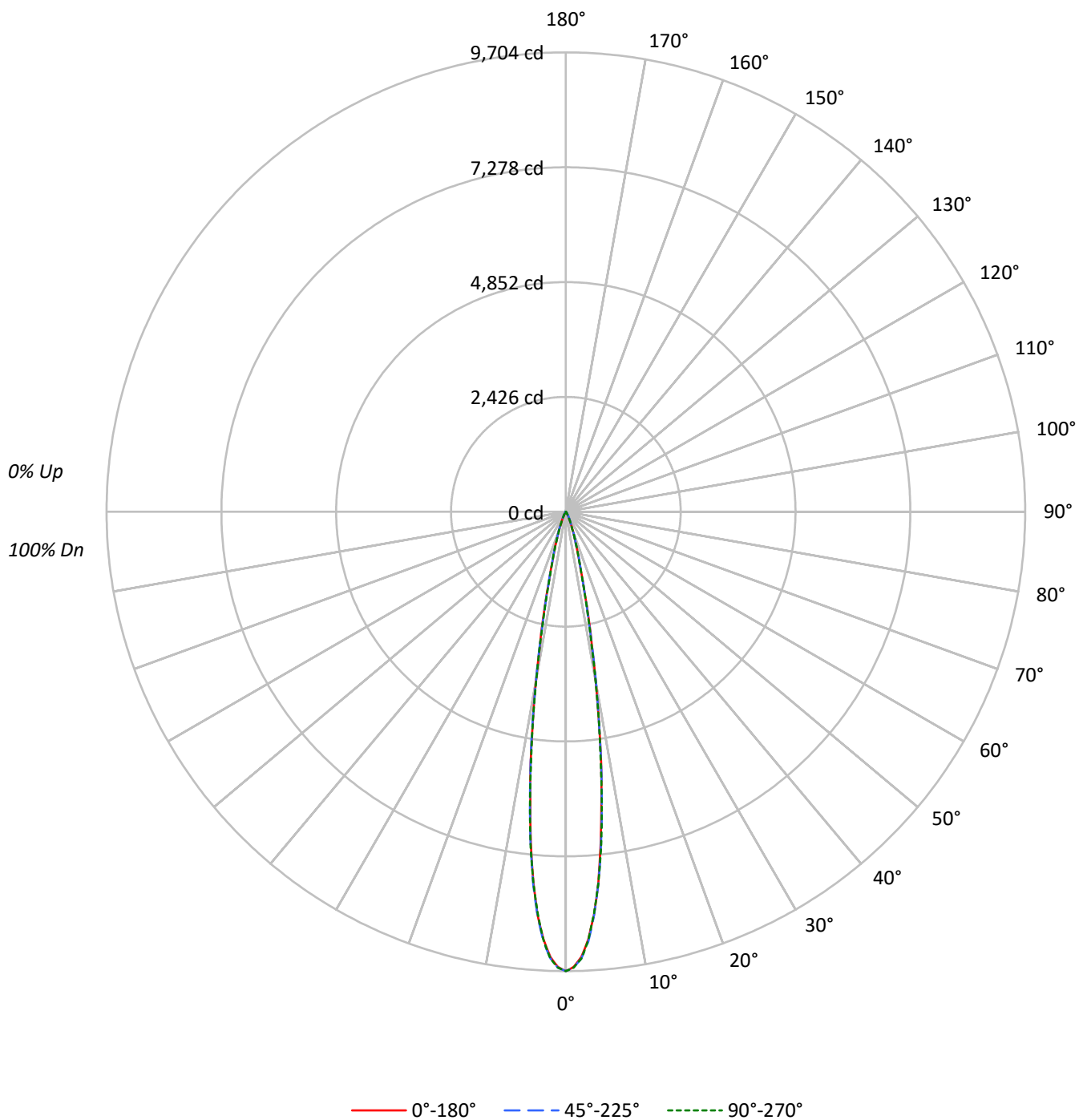
Lumens per Lamp: N/A
Luminaire Lumens: 1083.0 lumens
Efficiency: N/A
Efficacy: 74.2 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100	100	100	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	97	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	95	95	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	93	93	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	91	91	91	90
6	103	97	94	92	102	97	94	91	96	93	91	94	92	90	93	91	90	90	90	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	88	92	90	88	88	88	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	90	88	87	87	87	86
9	97	92	88	86	96	91	88	86	90	88	86	90	87	85	89	87	85	85	85	84
10	95	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	84	84	84	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1671180	1671180	1671180
5°	1360656	1365099	1362437
10°	634707	640409	632312
15°	199319	200995	199765
20°	78973	82107	76463
25°	31905	38575	30765
30°	12767	17540	12091
35°	3784	7737	3595
40°	1147	2878	967
45°	219	633	219
50°	0	241	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 633 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	607.5	56.1
10°-20°	363.4	33.6
20°-30°	91.6	8.5
30°-40°	18.7	1.7
40°-50°	1.7	0.2
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1062.5	98.1
0°-40°	1081.2	99.8
0°-60°	1083.0	100.0
0°-90°	1083.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1083.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9704	9704	9704	9704	9704	
5°	7870	7856	7896	7876	7881	606
15°	1118	1127	1127	1111	1120	364
25°	168	183	203	180	162	86
35°	18	24	37	23	17	15
45°	1	2	3	2	1	1
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9703.6	9703.6	9703.6	9703.6	9703.6
1°	9616.3	9648.8	9631.7	9645.4	9630.0
2°	9408.1	9451.8	9438.1	9433.8	9445.8
3°	9041.5	9092.0	9090.3	9077.5	9056.9
4°	8541.2	8520.7	8552.4	8548.9	8513.8
5°	7870.5	7855.9	7896.2	7876.5	7880.8
6°	7049.9	7113.3	7099.6	7101.3	7117.5
7°	6168.4	6202.7	6231.8	6255.8	6222.4
8°	5358.9	5350.4	5352.9	5380.3	5287.8
9°	4452.6	4505.8	4471.5	4416.7	4451.8
10°	3629.4	3662.0	3662.0	3614.0	3615.7
11°	2893.6	2920.2	2901.3	2913.3	2837.9
12°	2332.5	2266.6	2251.2	2263.2	2262.3
13°	1780.9	1785.2	1780.9	1780.0	1771.5
14°	1396.3	1418.5	1409.1	1386.0	1375.7
15°	1117.9	1127.3	1127.3	1111.0	1120.4
17.5°	671.6	682.7	685.3	674.1	674.1
20°	430.9	436.0	448.0	431.7	417.2
22.5°	265.5	276.7	297.2	273.3	261.3
25°	167.9	183.3	203.0	179.9	161.9
27.5°	105.4	118.2	135.3	113.1	101.9
30°	64.2	72.8	88.2	71.1	60.8
32.5°	36.0	42.8	55.7	41.1	34.3
35°	18.0	24.0	36.8	23.1	17.1
37.5°	10.3	12.8	23.1	11.1	9.4
40°	5.1	6.9	12.8	6.9	4.3
42.5°	1.7	3.4	5.1	3.4	1.7
45°	0.9	1.7	2.6	1.7	0.9
47.5°	0.0	0.0	0.9	0.0	0.0
50°	0.0	0.0	0.9	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)